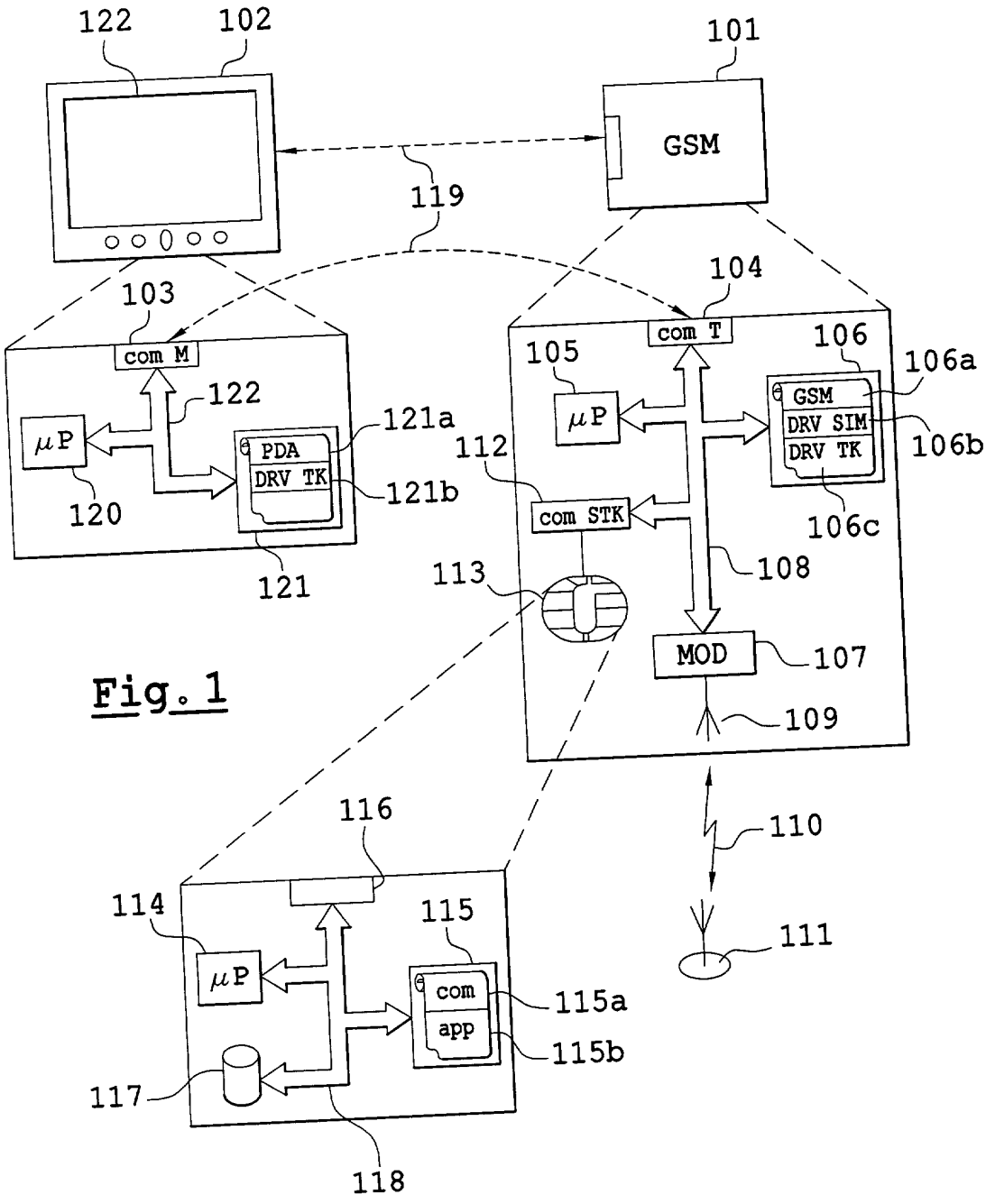
122
102
101
GSM
119
104
103
com M
com T
106
105
106a
122
GSM
μP
DRV SIM
106b
121a
112
PDA
DRV TK
DRV TK
121b
120
106c
com STK
108
121
113
MOD
107
109
116
110
114
115
μP
com
115a
app
115b
111
117
118

Fig. 1

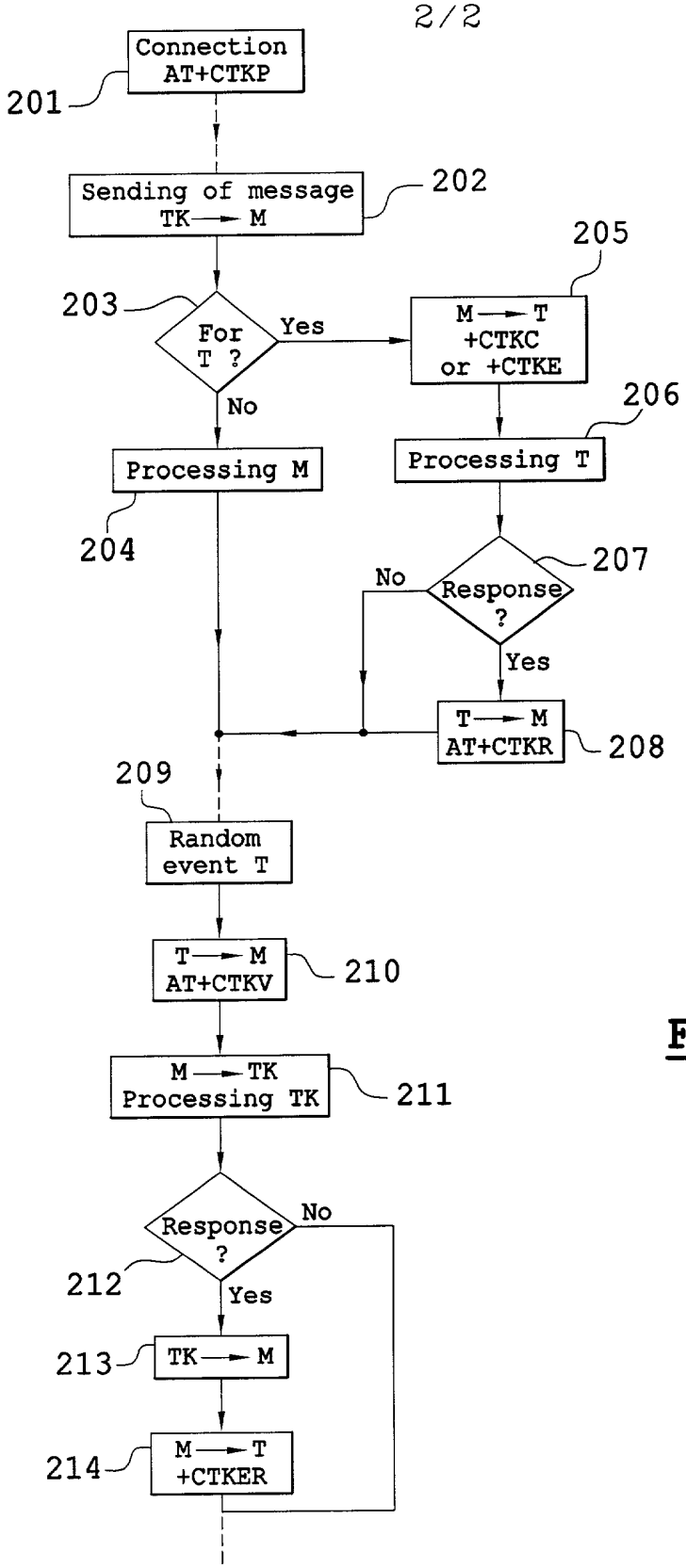
Connection
AT+CTKP
201
Sending of message
TK → M
202
205
203
For
T ?
Yes
M → T
+CTKC
or +CTKE
No
206
Processing M
Processing T
204
No
Response
?
207
Yes
T → M
AT+CTKR
208
209
Random
event T
T → M
AT+CTKV
210
M → TK
Processing TK
211
Response
?
No
212
Yes
213
TK → M
214
M → T
+CTKER

Fig. 2